

STIC Biotechnology Systems Branch

RAW SEQUENCE LISTING **ERROR REPORT**

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 10/553,305
Source: P4/10
Date Processed by STIC: 10/25/05

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,**
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY**

FOR CRF SUBMISSION AND PATENTIN SOFTWARE QUESTIONS, PLEASE CONTACT MARK SPENCER, TELEPHONE: 571-272-2510; FAX: 571-273-0221

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 4.2.2 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

<http://www.uspto.gov/web/offices/pac/checker/chkrnote.htm>

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.

Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.

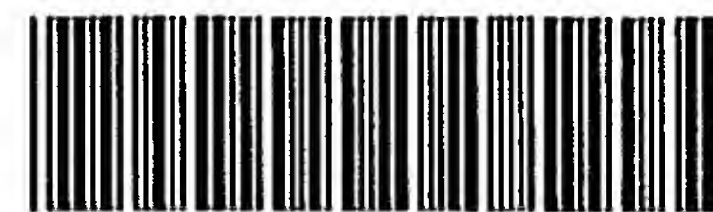
Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

- 1. EFS-Bio (<<http://www.uspto.gov/ebs/efs/downloads/documents.htm>>, EFS Submission User Manual - ePAVE)**
- 2. U.S. Postal Service: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450**
- 3. Hand Carry, Federal Express, United Parcel Service, or other delivery service (EFFECTIVE 01/14/05):**
U.S. Patent and Trademark Office, Mail Stop Sequence, Customer Window, Randolph Building, 401 Dulany Street, Alexandria, VA 22314

Revised 01/24/05

Raw Sequence Listing Error Summary

<u>ERROR DETECTED</u>	<u>SUGGESTED CORRECTION</u>	SERIAL NUMBER: <u>10/553,305</u>
ATTN: NEW RULES CASES: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE		
1 _____ Wrapped Nucleics Wrapped Aminos	The number/text at the end of each line "wrapped" down to the next line. This may occur if your file was retrieved in a word processor after creating it. Please adjust your right margin to .3; this will prevent "wrapping."	
2 _____ Invalid Line Length	The rules require that a line not exceed 72 characters in length. This includes white spaces.	
3 _____ Misaligned Amino Numbering	The numbering under each 5 th amino acid is misaligned. Do not use tab codes between numbers: use space characters , instead.	
4 _____ Non-ASCII	The submitted file was not saved in ASCII(DOS) text , as required by the Sequence Rules. Please ensure your subsequent submission is saved in ASCII text.	
5 _____ Variable Length	Sequence(s) _____ contain n's or Xaa's representing more than one residue. Per Sequence Rules, each n or Xaa can only represent a single residue. Please present the maximum number of each residue having variable length and indicate in the <220>-<223> section that some may be missing.	
6 _____ PatentIn 2.0 "bug"	A "bug" in PatentIn version 2.0 has caused the <220>-<223> section to be missing from amino acid sequences(s) _____. Normally, PatentIn would automatically generate this section from the previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section to the subsequent amino acid sequence. This applies to the mandatory <220>-<223> sections for Artificial or Unknown sequences.	
7 _____ Skipped Sequences (OLD RULES)	Sequence(s) _____ missing. If intentional, please insert the following lines for each skipped sequence: (2) INFORMATION FOR SEQ ID NO:X: (insert SEQ ID NO where "X" is shown) (i) SEQUENCE CHARACTERISTICS: (Do not insert any subheadings under this heading) (xi) SEQUENCE DESCRIPTION:SEQ ID NO:X: (insert SEQ ID NO where "X" is shown) This sequence is intentionally skipped Please also adjust the "(ii) NUMBER OF SEQUENCES:" response to include the skipped sequences.	
8 _____ Skipped Sequences (NEW RULES)	Sequence(s) _____ missing. If intentional, please insert the following lines for each skipped sequence. <210> sequence id number <400> sequence id number 000	
9 _____ Use of n's or Xaa's (NEW RULES)	Use of n's and/or Xaa's have been detected in the Sequence Listing. Per 1.823 of Sequence Rules, use of <220>-<223> is MANDATORY if n's or Xaa's are present. In <220> to <223> section, please explain location of n or Xaa, and which residue n or Xaa represents.	
10 _____ Invalid <213> Response	Per 1.823 of Sequence Rules, the only valid <213> responses are: Unknown, Artificial Sequence, or scientific name (Genus/species). <220>-<223> section is required when <213> response is Unknown or is Artificial Sequence	
11 _____ Use of <220>	Sequence(s) _____ missing the <220> "Feature" and associated numeric identifiers and responses. Use of <220> to <223> is MANDATORY if <213> "Organism" response is "Artificial Sequence" or "Unknown." Please explain source of genetic material in <220> to <223> section. (See "Federal Register," 06/01/1998, Vol. 63, No. 104, pp. 29631-32) (Sec. 1.823 of Sequence Rules)	
12 _____ PatentIn 2.0 "bug"	Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted file, resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing). Instead, please use "File Manager" or any other manual means to copy file to floppy disk.	
13 _____ Misuse of n/Xaa	"n" can only represent a single <u>nucleotide</u> ; "Xaa" can only represent a single <u>amino acid</u>	



PCT

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/553,305

DATE: 10/25/2005

TIME: 10:08:24

Input Set : A:\sequence_listing.txt

Output Set: N:\CRF4\10252005\J553305.raw

3 <110> APPLICANT: Japan EnviroChemicals, Ltd.
 5 <120> TITLE OF INVENTION: A protein binding to plasticizers
 7 <130> FILE REFERENCE: 09622
 C--> 9 <140> CURRENT APPLICATION NUMBER: US/10/553,305
 C--> 9 <141> CURRENT FILING DATE: 2005-10-14
 9 <150> PRIOR APPLICATION NUMBER: JP 2003-110877
 W--> 10 <151> PRIOR FILING DATE: (2003-4-15) 2003-04-15 ← use this format for dates
 E--> 12 <160> NUMBER OF SEQ ID NOS: (27) 34 ← see p. 2
 14 <170> SOFTWARE: PatentIn version 3.1

ERRORED SEQUENCES

155 <210> SEQ ID NO: 5
 156 <211> LENGTH: 5
 157 <212> TYPE: PRT
 158 <213> ORGANISM: Artificial
 160 <220> FEATURE:
 161 <223> OTHER INFORMATION: Linker
 163 <400> SEQUENCE: 5
 164 Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser
 E--> 165 1 5 10 15
 273 <210> SEQ ID NO: 15
 274 <211> LENGTH: 20
 275 <212> TYPE: DNA
 276 <213> ORGANISM: Artificial
 278 <220> FEATURE:
 279 <223> OTHER INFORMATION: Primer
 281 <220> FEATURE:
 282 <221> NAME/KEY: misc_feature
 283 <222> LOCATION: 24
 284 <223> OTHER INFORMATION: i
 286 <220> FEATURE:
 287 <221> NAME/KEY: misc_feature
 288 <222> LOCATION: 25
 289 <223> OTHER INFORMATION: i
 291 <220> FEATURE:
 292 <221> NAME/KEY: misc_feature
 293 <222> LOCATION: 29
 294 <223> OTHER INFORMATION: i
 296 <220> FEATURE:
 297 <221> NAME/KEY: misc_feature
 298 <222> LOCATION: 30

Does Not Comply
 Corrected Diskette Needed

what is the source of genetic material?

(see item 11 on
 Error
 summary
 sheet)

Please
 correct this
 in subsequent
 sequences

RAW SEQUENCE LISTING

DATE: 10/25/2005

PATENT APPLICATION: US/10/553,305

TIME: 10:08:24

Input Set : A:\sequence_listing.txt

Output Set: N:\CRF4\10252005\J553305.raw

299 <223> OTHER INFORMATION: i /
301 <220> FEATURE:
302 <221> NAME/KEY: misc_feature
303 <222> LOCATION: 34
304 <223> OTHER INFORMATION: i /
306 <220> FEATURE:
307 <221> NAME/KEY: misc_feature
308 <222> LOCATION: 35 /
309 <223> OTHER INFORMATION: i
311 <400> SEQUENCE: 15
E--> 312 ggccacgcgt cgactagtac ggghnggggnn gggghng
612 <210> SEQ ID NO: 34
613 <211> LENGTH: 66
614 <212> TYPE: PRT
615 <213> ORGANISM: Artificial
617 <220> FEATURE:
618 <223> OTHER INFORMATION: Primer
620 <400> SEQUENCE: 34
621 Gly Gly Gly Gly Ser
E--> 622 1 5

36

last sequence in submitted file
shown below
a primer is not a peptide
(please give source of genetic material as explanation)

10/553,305

3

<210> 10

<211> 18

<212> DNA

<213> Artificial

needs explanation

<400> 10

gcttgccggg tgggccac

(see p. 4)

for

error explanation

18

RAW SEQUENCE LISTING ERROR SUMMARY
PATENT APPLICATION: US/10/553,305

DATE: 10/25/2005
TIME: 10:08:25

Input Set : A:\sequence_listing.txt
Output Set: N:\CRF4\10252005\J553305.raw

Invalid <213> Response:

Use of "Artificial" only as "<213> Organism" response is incomplete,
per 1.823(b) of New Sequence Rules. Valid response is Artificial Sequence.

Seq#:5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,28,29,30,31,32,33,34

Use of <220> Feature(NEW RULES):

error explanation
Sequence(s) are missing the <220> Feature and associated headings.

Use of <220> to <223> is MANDATORY if <213> ORGANISM is "Artificial Sequence"
or "Unknown". Please explain source of genetic material in <220> to <223>
section (See "Federal Register," 6/01/98, Vol. 63, No. 104, pp.29631-32)
(Sec.1.823 of new Rules)

Seq#:10

VERIFICATION SUMMARY

PATENT APPLICATION: US/10/553,305

DATE: 10/25/2005

TIME: 10:08:25

Input Set : A:\sequence_listing.txt

Output Set: N:\CRF4\10252005\J553305.raw

L:9 M:270 C: Current Application Number differs, Replaced Current Application No
 L:9 M:271 C: Current Filing Date differs, Replaced Current Filing Date
 L:10 M:256 W: Invalid Numeric Header Field, Wrong Prior FILING DATE:YYYY-MM-DD
 L:26 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:1,Line#:24
 L:99 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:3,Line#:97
 L:165 M:252 E: No. of Seq. differs, <211> LENGTH:Input:5 Found:15 SEQ:5
 L:226 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ#:10, <213>
 ORGANISM:Artificial
 L:226 M:258 W: Mandatory Feature missing, <223> Tag not found for SEQ#:10, <213>
 ORGANISM:Artificial
 L:226 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:10,Line#:226
 L:312 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:15 after pos.:0
 L:312 M:252 E: No. of Seq. differs, <211> LENGTH:Input:20 Found:36 SEQ:15 ✓
 L:622 M:252 E: No. of Seq. differs, <211> LENGTH:Input:66 Found:5 SEQ:34 ✓
 L:12 M:203 E: No. of Seq. differs, <160> Number Of Sequences:Input (27) Counted (34)